Inde	x of	Clair	ns	

	Applica	tion/Co	ontrol	No.
--	---------	---------	--------	-----

Applicant(s)/Patent under Reexamination

10/500,271

MURASE ET AL. Art Unit

Examiner

Michael Bernshteyn

1713

<b>√</b>	Rejected
1	Allowed

	_	(Through numeral) Cancelled
Γ		Doctrictor

N	Non-Elected
	Interference

L	A	Appeal
[	0	Objected

Claim								,											ı				
Image: Section of the control of the contro	Cla	aim				-	Date					1	Cla	im	_		-		Date				
1     √     51     52     3     √     53     53     4     √     54     55     53     54     55     56     7     √     55     56     7     √     57     58     59     57     58     9     √     59     9     √     60     61     11     √     60     61     11     √     62     13     √     63     3     3     4     √     64     4     64     4     64     4     64     4     64     4     64     4     64     4     64     4     64     4     65     66	<u> </u>							Ť	Г	Γ		1	-0.0		П			Ė		Ĭ	Γ-	<u> </u>	Г
1     √     51     52     3     √     53     53     4     √     54     55     53     54     55     56     7     √     55     56     7     √     57     58     59     57     58     9     √     59     9     √     60     61     11     √     60     61     11     √     62     13     √     63     3     3     4     √     64     4     64     4     64     4     64     4     64     4     64     4     64     4     64     4     64     4     65     66	<u>a</u>	ina	8					l			1	1	ā	ina									
1     √     51     52     3     √     53     53     4     √     54     55     53     54     55     56     6     √     55     56     55     56     7     √     7     √     57     58     9     √     59     9     0	i E	l ig	122										ᇤ	rig								İ	
S2		٥						L															
3    \( \)														51									
4   √     5   √     6   √     7   √     8   √     9   √     10   √     60   60     11   √     61   61     12   √     63   63     14   √     65   66     17   √     18   √     19   √     20   √     21   √     22   √     23   73     24   74     25   75     26   76     27   77     28   78     29   79     30   80     31   81     32   82     33   83     34   84     35   86     37   87     38   88     39   99     40   90     41					_					<u> </u>	_				Ш						<u> </u>	L	
5    V				L_	_	ļ		L_	_	<u> </u>		1			Ш				_		_	<u> </u>	$ldsymbol{ld}}}}}}}}}$
6				<u>_</u>	_		_		<u> </u>	ļ	ļ										<u> </u>	_	
T				_	_	-		<u> </u>		<u> </u>	ļ				-			ļ	<u> </u>			_	
S	<u> </u>			_	_	├—	<u> </u>	-		├	├				$\vdash$		_	<u> </u>		-		<u> </u>	├
9	-			_		-		$\vdash$	$\vdash$	├	╁	┨.			$\square$			_	$\vdash$	-	-	⊢	$\vdash$
10				-	-				$\vdash$	┢	<del> </del>	{ }		50	Н			_	├	_	-	$\vdash$	H
11    V	<u> </u>			_	_	-		-	┢	┢	├	'	-		Н	_	-	-	$\vdash$	-	-	⊢	H
12   V				-	-		-	-	-	-	├	ł			$\vdash$	_			$\vdash$				-
13	<b></b>						-		-	$\vdash$	╁╌	1			Н		-		$\vdash$			H	$\vdash$
14   V				$\vdash$			H	$\vdash$		$\vdash$	$\vdash$	1			Н			$\vdash$	$\vdash$				
15   V				-	<u> </u>		<del>                                     </del>	Ι	<del>                                     </del>	<del>                                     </del>	t	1					┢	-	H	<u> </u>	$\vdash$	<del> </del>	
16   V   66     17   V   68     19   V   69     20   V   70     21   V   71     22   V   72     23   73   74     25   75   75     26   76   77     28   79   79     30   80   80     31   81   82     33   83   83     34   84   85     36   86   86     37   87   88     39   89   90     41   91   92     43   93   94     44   94   95     48   98   99					<u> </u>	_	_	$\vdash$	1	$\vdash$	┢	1			П	-	-	_	-	Г	_	-	
17   √     18   √     19   √     20   √     21   √     21   √     71   72     23   73     24   74     25   76     26   76     27   77     28   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   89     40   90     41   91     42   92     43   94     44   94     45   96     47   97     48   98     49   99				_	$\vdash$	$\vdash$	Г		T	$\vdash$	t	1			П	_	$\vdash$	$\vdash$	$\vdash$			Т	Г
18   \$\forall		17		_	_					T		1		67			Т	_		Г			
19 √   69     20 √   70     21 √   72     23 √   73     24 √   74     25 √   75     26 √   76     27 √   77     28 √   79     30 √   80     31 √   81     32 √   82     33 √   81     32 √   82     33 √   84     35 √   85     36 √   86     37 √   88     38 √   88     39 √   90     41 √   91     42 √   92     43 √   94     44 √   94     45 √   96     47 √   97     48 √   98     49 √   99			1						ऻ	T		1								<u> </u>		T	
20   \( \)			1				Г		Г	Г		1		69			П					Г	Г
22		20	1									1											
23   73     24   74     25   75     26   76     27   77     28   78     29   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   89     40   90     41   91     42   92     43   94     44   94     45   95     46   96     47   97     48   98     49   99			1									]											
24   74     25   75     26   76     27   77     28   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   89     40   90     41   91     42   92     43   94     44   94     45   95     46   96     47   97     48   98     49   99		22	1									]		72									
25   75     26   76     27   77     28   78     29   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   90     41   91     42   92     43   94     44   94     45   96     47   97     48   98     49   99				_			_					]										_	
26   76     27   77     28   78     29   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   90     41   91     42   92     43   94     44   94     45   96     47   97     48   98     49   99		24		_		L		_	<u> </u>		<u> </u>			74									
27   28   77   78     29   79   80   81     30   81   82   83     33   84   84   84     35   85   86   86     37   87   88   88     39   89   90   90     41   91   92   93     44   94   95   96     47   97   98   99				匚	匚				_		_				Ш		<u> </u>	L.				_	
28   78     29   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   90     41   91     42   92     43   93     44   94     45   96     47   97     48   98     49   99	<u> </u>		<u> </u>	L	<u> </u>		L	_	<u> </u>	<u> </u>	_				Ш		_	_	L.	<u> </u>		<u> </u>	Ш
29   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   89     40   90     41   91     42   92     43   93     44   94     45   95     46   96     47   97     48   98     49   99					_	_	<u> </u>	_	$oxed{igspace}$	↓_	<u> </u>										<u> </u>	_	$oxed{oxed}$
30 80   31 81   32 82   33 83   34 84   35 85   36 86   37 87   38 88   39 89   40 90   41 91   42 92   43 93   44 94   45 95   46 96   47 97   48 98   49 99			ļ	_	<u> </u>	-	<u> </u>		<u> </u>	┡	-				Ш		<u> </u>	_		ļ	_	<u>L</u>	Ľ
31 81   32 83   33 84   35 85   36 86   37 87   38 88   39 89   40 90   41 91   42 92   43 93   44 94   45 95   46 96   47 97   48 98   49 99		29	-		<u> </u>	-	<u> </u>		-	├	<u> </u>	1			$\vdash$		_	<u> </u>	<u> </u>	_	<u> </u>	<u> </u>	L
32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   89     40   90     41   91     42   92     43   93     44   94     45   95     46   96     47   97     48   98     49   99	-	30	$\vdash$	-	-	-	_	Ŀ	-	┝	<u> </u>				H	_	<u> </u>	<u> </u>	_	٢	_	-	<u> </u>
33   83     34   84     35   85     36   86     37   88     38   87     38   88     39   89     40   90     41   91     42   92     43   93     44   94     45   95     46   96     47   97     48   98     49   99		31	-	-	-	-		-	-	-	┝	1			-		⊢	<u> </u>	-	-	⊢	├	┢
34   84     35   85     36   86     37   87     38   87     39   88     40   90     41   91     42   92     43   93     44   94     45   95     46   96     47   97     48   98     49   99	_	32	-	-			⊢	-	├	├	₩	}		02			-	$\vdash$	┝	$\vdash$	⊢	⊢	
35 85   36 86   37 88   38 88   39 89   40 90   41 91   42 92   43 93   44 94   45 95   46 96   47 97   48 98   49 99	<del></del>	34	-	$\vdash$	-	$\vdash$	⊢	├	$\vdash$	$\vdash$	$\vdash$	1			$\vdash$		-	-	⊢	<del> </del>	$\vdash$	⊢	<del> </del>
36 86   37 88   38 88   39 89   40 90   41 91   42 92   43 93   44 94   45 95   46 96   47 97   48 98   49 99	<b></b>		-	$\vdash$	-	<del> </del>	┢	-	$\vdash$	├	$\vdash$	1			$\vdash$		$\vdash$	$\vdash$	$\vdash$	$\vdash$	$\vdash$	$\vdash$	$\vdash$
37   87     38   88     39   89     40   90     41   91     42   92     43   93     44   94     45   95     46   96     47   97     48   98     49   99		36	-	<del>                                     </del>	-	<del> </del>	$\vdash$	-	-	$\vdash$	-	1		86	$\vdash$		$\vdash$	$\vdash$	$\vdash$	$\vdash$	$\vdash$	$\vdash$	$\vdash$
38   88     39   89     40   90     41   91     42   92     43   93     44   94     45   95     46   96     47   97     48   98     49   99	$\vdash$		-	-	-	<del>                                     </del>	$\vdash$	$\vdash$	$\vdash$	1	$\vdash$	1			$\vdash$		$\vdash$	$\vdash$		$\vdash$		$\vdash$	$\vdash$
39 89   40 90   41 91   42 92   43 93   44 94   45 95   46 96   47 97   48 98   49 99		38	<del>                                     </del>	$\vdash$	-	<del>                                     </del>	-	$\vdash$	<del>                                     </del>	$t^-$	$\vdash$	1			$\vdash$	_	Н	$\vdash$	$\vdash$	Н	Ι-	<del>                                     </del>	$\vdash$
40 90   41 91   42 92   43 93   44 94   45 95   46 96   47 97   48 98   49 99			$\vdash$	-	<u> </u>		$\vdash$	1	I	$I^-$		1			Н			$\vdash$	<u> </u>	t			$\vdash$
41 91   42 92   43 93   44 94   45 95   46 96   47 97   48 98   49 99		_										1			П			-	$\vdash$	T-			Г
42 92   43 93   44 94   45 95   46 96   47 97   48 98   49 99				_					t			1			П			Г	Г	Г			Г
43 93   44 94   45 95   46 96   47 97   48 98   49 99								Г	1			1		92	П			Γ	<u> </u>	$\vdash$	1		$I^-$
44 94   45 95   46 96   47 97   48 98   49 99		43	Ī								L	1		93				Г	Γ	Γ	$\sqcap$	Г	Г
45 95 96 96 97 97 98 98 99 99 99 99		44	Ĺ									]		94									
47		45										]		95									
48 98 99 99 99 99 99 99 99 99 99 99 99 99					$\Box$							]											
49 99 99								Ŀ							Ш			匚					
		48		lacksquare	<u> </u>	oxdot	L	匚	L		Ĺ	]		98		oxdot	L	L		匚			匚
50			L_	<u> </u>	_		L	<u> </u>	<u> </u>	<u> </u>	<u> </u>			99	Ш	_	_	L	L				<u> </u>
——————————————————————————————————————	L	50	<u></u>			L	<u></u>	L_	<u> </u>	<u> </u>	<u></u>	]		100					L			<u>L</u>	<u> </u>

Cla	Claim		Date										
Final	Original												
	51						-						
	51 52		_	_									
	53												
<b>—</b>	54			_				_					
	54 55									_			
	56		-		-				_				
	57		_	_	_	_	_			-			
	58												
	59				$\vdash$		_						
	60				_								
	61		_	-	-				_				
	62												
	62 63												
	64			_	-								
	65		-	-		_	$\vdash$	_	_	-			
	66	-	_	$\vdash$	$\vdash$		$\vdash$	_	_	Н			
	67	_			_	_	_						
	68	-	_	-	-								
	68 69	-		$\vdash$	-		-						
	70	-		$\vdash$			$\vdash$			$\vdash$			
	71	-	_	-	-		-	-	-	$\vdash$			
	72	-	_	-	-			-		-			
-	73	-		H			_						
	73 74	-	_	$\vdash$	H				-	Н			
<u> </u>	75	-			$\vdash$		_						
1	76	H	-		-	_	_	-					
<b>—</b>	76 77	$\vdash$		$\vdash$	-	_	-		Н	$\vdash$			
-	78	-		$\vdash$	-	_			Н				
<b> </b>	79	-	_	-		_	_	H	H	Н			
-	80	-		-	$\vdash$		_	Н	$\vdash$	$\vdash$			
	81	-	_	-	├	_	_	H	┝	$\vdash$			
-	82	-	_		H	_	-	⊢	┝	┝			
<b> </b>	83	-		-	$\vdash$		_		$\vdash$				
	84	H-		-	-	-	-	-	├	├			
	85	<del> </del>	-	$\vdash$	$\vdash$		$\vdash$	$\vdash$	$\vdash$	$\vdash$			
	86	<del> </del>	-	$\vdash$	$\vdash$		<u> </u>	$\vdash$	$\vdash$	$\vdash$			
-	87	<del> </del>	-	$\vdash$	$\vdash$			$\vdash$	$\vdash$	$\vdash$			
	88		-	$\vdash$	$\vdash$			$\vdash$		$\vdash$			
-	89	├		$\vdash$	$\vdash$	$\vdash$	$\vdash$	$\vdash$	$\vdash$	$\vdash$			
$\vdash$	90	$\vdash$	-	-		-	<u> </u>	$\vdash$	$\vdash$	$\vdash$			
-	91	$\vdash$	<del>  -</del>	1	$\vdash$	$\vdash$		$\vdash$	$\vdash$	$\vdash$			
-	92	$\vdash$	$\vdash$	-	-		-	$\vdash$	$\vdash$				
-	93	$\vdash$	-	<del> </del>	$\vdash$	-	<del> </del>	$\vdash$	$\vdash$				
-	94	$\vdash$	$\vdash$	-	<del>                                     </del>	$\vdash$		┝	$\vdash$				
	95	-	-	$\vdash$	$\vdash$	$\vdash$	-	$\vdash$	<del> </del>	<del> </del>			
-	96	┢	$\vdash$	$\vdash$	-	$\vdash$			$\vdash$	$\vdash$			
$\vdash$	97	$\vdash$	<del> </del>	<del>                                     </del>	Н	-	$\vdash$	<del> </del>	<del> </del>				
-	98	⊢	-	-	-	-	-	$\vdash$	$\vdash$	-			
-	99	$\vdash$	$\dot{\vdash}$		-		$\vdash$	$\vdash$		-			
-	100	-	$\vdash$	-	<del> </del>	<del> </del>	-	<del> </del>	$\vdash$	-			

Cla	aim	Date									
		-									
Final	Original										
	101										
	102										
	103										
	104										
	104 105										
	106										
	107										
	108										
	109			L						Ш	
	110			Ŀ						Ш	
	111								Ŀ	Ш	
	112	<u> </u>	_	<u> </u>		<b></b> .	Щ.		L	Ш	
	110 111 112 113 114		<u> </u>	<u> </u>	$ldsymbol{ldsymbol{ldsymbol{eta}}}$	_	$ldsymbol{ldsymbol{ldsymbol{eta}}}$		$ldsymbol{ldsymbol{ldsymbol{eta}}}$	Ш	
	114	<b> </b>	_		_	_		_	_	Ш	
	115	<u> </u>	_			_	_		<u> </u>	$\mid \perp \mid$	
	116 117	_			Ш		_	<u> </u>	$\vdash$	$\sqcup$	
	117	ļ	<u> </u>	<b> </b>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	_	Ш	
	118 119	_		_			_		ļ	$\sqcup$	
	119		_	_		_				Ш	
-	120		_	_			_			Щ	
	121 122			_					_	$\sqcup$	
	122	$\vdash$		$\vdash$		_		_	H	$\vdash$	
	123 124 125	_	_	L		_		_	$\vdash$	Н	
	124								H	Н	
	125			-			<del> </del> !			$\vdash$	
	127		_	├			-	<u> </u>	ا	-	
	126 127 128			$\vdash$	-		H	-	-		
	120	<del> </del>		-	-	-	H	-	H	$\vdash$	
	129 130				-		$\vdash$	_	$\vdash$	$\vdash$	
	131	-		-	_	-	-		<del> </del>	-	
	132		_	-	H	-	-	<del></del>	┝	-	
	133	-			-	-		-	├	$\vdash$	
	134	<del>                                     </del>	-	-	$\vdash$	<del> </del>	-	-	<del> </del>	$\vdash \vdash$	
<u> </u>	135	<del>                                     </del>			-	Ι		$\vdash$	<del>                                     </del>	Н	
	136	<del>                                     </del>		$\vdash$	Г	$\vdash$	<del>                                     </del>	_	$\vdash$	Н	
	137	Ι.	_			<b> </b>		-	_	Н	
	137 138					Г		Г		П	
	139	<u> </u>				Γ.		<u> </u>	<del>                                     </del>	М	
	140									П	
	141									П	
	142										
	143										
	144										
	145										
	146										
	147										
	148	L		L					匚		
	149	L					匚		$\Box$		
	150				L.	L			<u> </u>	L	